Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/03/2020 10:15 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125039	0	2.26	125126	2.27
Blue	F	SSC	125000	123872	-1	2.07	124628	2.16
Blue	E	FITC	15892	15588	-2	2.94	339	20.92
Blue	D	PE	29999	29119	-3	2.07	634	15.16
Blue	B	PerCP-Cy5-5	43732	43516	-1	3.75	1166	21.33
Blue	A	PE-Cy7	30845	31104	0	6.36	599	41.86
Red	C	APC	46112	45136	-3	2.60	1595	12.06
Red	A	APC-Cy7	30458	29425	-4	2.45	777	11.92
Violet	B	V450	7918	7559	-5	4.41	428	12.60
Violet	A	V500	32171	31697	-2	4.17	741	10.27

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17287	11.52	635	14	N/A	N/A	Pass
Blue	F	SSC	56527	1.53	574	15	N/A	N/A	Pass
Blue	E	FITC	62	64.02	551	8	0.0176	79	Pass
Blue	D	PE	133	49.94	555	7	0.1480	242	Pass
Blue	B	PerCP-Cy5-5	215	50.39	664	8	0.0081	7	Pass
Blue	A	PE-Cy7	111	105.10	710	12	0.0104	21	Pass
Red	C	APC	382	25.17	587	3	0.0250	166	Pass
Red	A	APC-Cy7	172	28.43	558	2	0.0056	887	Pass
Violet	B	V450	65	57.19	465	7	0.0589	2136	Pass
Violet	A	V500	111	29.90	482	8	0.0229	293	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/03/2020 10:15 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.96	-32.31	0.93
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.41
Red	16.89	13.60 - 20.40	N/A	N/A	29.22	30.24	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.86

Threshold

Threshold (FSC): 9716

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments